



Overview of PORTSCOM



What is PORTSCOM?

PORTSCOM is a portable secure office and communications system designed to assist NCS Officers while conducting the Naval Control and Protection of Shipping (NCAPS) mission.

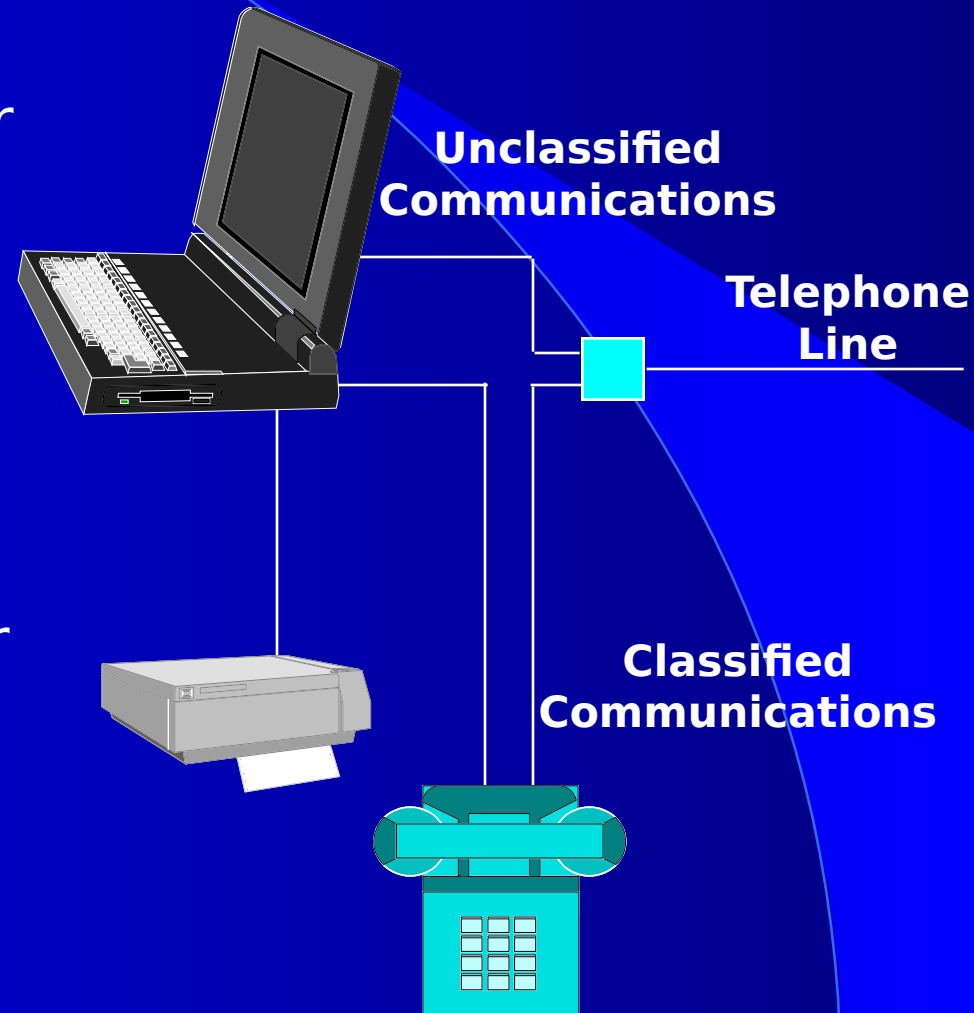
PORTSCOM provides all of the tools necessary to operate an NCS office.



Current PORTSCOM Hardware

Hardware Consists Of:

- An IBM Thinkpad Computer
 - 120 MHz Pentium Processor
 - 16 MB of RAM
 - 810 MB Hard Drive
 - SVGA Color Monitor
 - Integrated Mouse
 - 28.8/14.4 Data/Fax Modem
- An HP Deskjet Color Printer
 - Small, Rugged, & Reliable
- STU-III Telephone System
 - Provide Secure Voice and Data Communications

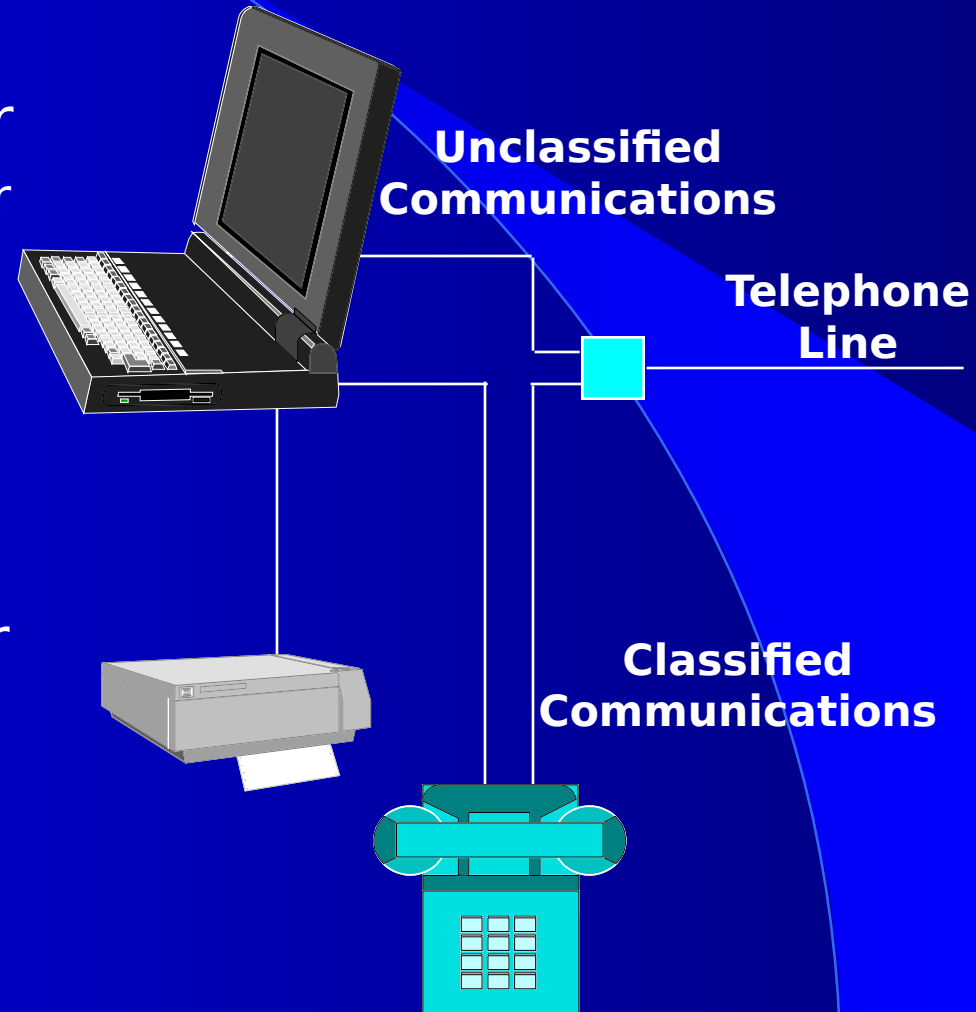




New PORTSCOM Hardware

Hardware Consists Of:

- An IBM Thinkpad Computer
 - 300 MHz Pentium II Processor
 - 64 MB of RAM
 - 4 GB Hard Drive
 - SVGA Color Monitor
 - Integrated Mouse
 - 56K Data/Fax Modem
- An HP Deskjet Color Printer
 - Small, Rugged, & Reliable
- STU-III Telephone System
 - Provide Secure Voice and Data Communications





PORTSCOM Software

- **Commercial Off The Shelf (COTS) Software Includes:**
 - Windows 95/98 Operating System
 - Microsoft Office 97
 - Word - A Word Processing Application
 - Excel - A Spreadsheet Application
 - Powerpoint - A Graphics/Presentation Application
 - Access - A Database Application
 - WINZIP
 - A Data File Compression/Decompress Application
 - PROCOMM for Windows
 - A Communications Software Application
 - CC:Mail Mobile
 - Communications Software for use with MSC's Email Network



PORTSCOM Software

- **Navy and NCS Developed Software Includes:**
 - Message Text Formatter (MTF)
 - A Navy Message Writing Application
 - Automated Merchant Ship Reporting System (AMRS)
 - A Ship Tracking Application
 - Naval Instruction Input Program
 - A Lessons Learned Generation and Submission Application
 - NAVFIT Program
 - An Evaluation and Fitness Report Generation Application
 - NCS Secure and Non-Secure Data Transfer Programs
 - Eases NCS Officer's Data Communications Tasks
 - NCS Help File
 - Provide On-Line Documentation for Using PORTSCOM



PORTSCOM's Four Communications Paths

Message File Transfers Using Naval Communications System (Secure)



Secure Point to Point Data File Transfers



Non-Secure Point to Point Data File Transfers



Data File Exchange Using MSC's Email Network (also Internet Capable)





Deployment of PORTSCOM

- **Each NCS Unit is Provided One PORTSCOM System.**
- **MSC Maintains a Pool of Additional Units.**
- **PORTSCOM Is Routinely Deployed and Operated During Yearly NCS Exercises.**
- **This Is The latest Iteration Of PORTSCOM**
 - First Iteration Was Based on 386 Computer Technology
 - Deployed During Desert Shield / Desert Storm



Supporting PORTSCOM

- MSC Provides Hardware Support Of The System.
- Software Support Is Provided By the PORTSCOM Detachment Of The NCS Headquarters 106 Unit.
 - Writes, Upgrades, Configures, and Loads Software.
 - Generates All PORTSCOM Training Materials.
 - Trains NCS Units In PORTSCOM Operations.
 - Deploys On Exercises As A Support/Training Element.
 - Consists Of 4 Officers and 4 Enlisted Personnel.